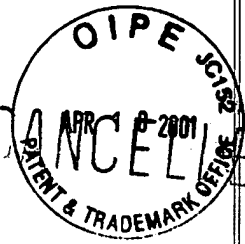


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Doe
4/23/02



PATENT
Attorney Docket No. 07681.0017-01
Customer No. 22,852



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Keith Campbell et al.

Serial No.: 09/989,125

Filed: November 21, 2001

)
)
) Group Art Unit: 1632
)
) Examiner: D. Crouch
)
)
)

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APR 15 2002

TECH CENTER 1600/2900

For: UNACTIVATED OOCYTES AS CYTOPLAST
RECIPIENTS FOR NUCLEAR TRANSFER

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

AMENDMENT AND RESPONSE TO PAPER NO. 5

In response to the Office Action dated February 26, 2002 (Paper No. 5),
applicants submit the following amendment and remarks. Please amend this
application as follows:

IN THE CLAIMS:

Please cancel claim 19 and add the following new claims:

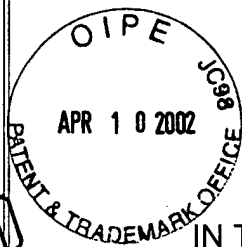
- 20. (NEW) A method of cloning a non-human mammal by nuclear transfer
comprising:
- (i) inserting a nucleus of a non-human mammalian differentiated somatic cell,
which has passed start in the mitotic cell cycle and is in the G1 phase of the cell cycle,
into an unactivated, metaphase II-arrested, non-human mammalian enucleated oocyte
of the same species to reconstruct an embryo;

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1632



PATENT
Attorney Docket No. 07681.0017-01
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Assistant Commissioner for Patents
Washington, DC 20231

Sir:

TRANSMITTAL LETTER

In response to the Office Action of February 26, 2002, applicants submit the following:

1. Amendment and Response to Paper No. 5 (8 pages);

The claims are calculated below:

	Claims Remaining After Amendment		Highest Number Previously Paid	Present Extra	Rate	Additional Fee
Total	24	-	20	4	x \$ 18	\$ 72.00
Indep.	2	-	3	0	x \$ 84	-0-
<input type="checkbox"/> First Presentation of Multiple Dep. Claim(s)					+\$280	-0-
Subtotal						\$ 72.00
Reduction by 1/2 if small entity						- -0-
TOTAL						\$ 72.00

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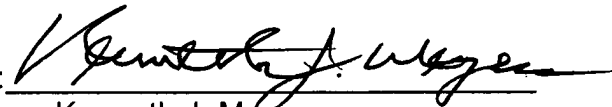
2. Submission of Terminal Disclaimers (2 pages) with three (3) executed Terminal Disclaimers (10 pages total); and
3. \$402 Check (\$72 for extra claims fee; \$330 for Terminal Disclaimer Fees).

Please grant any extensions of time required to enter this paper and charge any additional required fees to our deposit account 06/0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: April 10, 2002

By: 

Kenneth J. Meyers

Reg. No. 25,146

Tel: 202-408-4000

Fax: 202-408-4400

E-mail: ken.meyers@finnegan.com

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